CLAIMS:

1. A method of processing a luminance signal including predetermined weights and color difference signals, comprising the steps of:

converting the luminance signal and the color difference signals into color signals (2);

forming a second luminance signal from the color signals, wherein the second luminance signal includes second weights different from the predetermined weights (4);

subtracting the second luminance signal from each of the color signals to produce second color difference signals (4);

amplifying the second color difference signals by a saturation parameter to produce amplified difference signals (6); and

adding the second luminance signal to each of the amplified difference signals to produce output color signals (8).

2. The method of claim 1, which further includes displaying the output color signals.

3. The method of claim 1, which further includes storing the output color signals.

4. The method of claim 1, wherein converting the luminance signal and the color difference signals into color signals (2) is performed according to the following:

$$R' = Rlf + Yhf$$
$$G' = Glf + Yhf$$
$$B' = Blf + Yhf .$$

5. The method of claim 1, wherein converting the luminance signal and the color difference signals into color signals (2) is performed according to the following:

$$R' = (R'-Y') + Y'$$
$$G' = (G'-Y') + Y'$$
$$B' = (B' -Y') + Y'.$$

6. The method of claim 1, wherein the second weights include:

a red signal weight in the range of about 0.1 to about 0.4;

a green signal weight in the range of about 0.1 to about 0.4; and

a blue signal weight in the range of about 0.2 to about 0.8.

7. The method of Claim 1, wherein the saturation parameter is a value equal or greater than one (1).

8. A device for processing a luminance signal including predetermined weights and color difference signals, comprising:

means for converting the luminance signal and the color difference signals into color signals (2);

means for forming a second luminance signal from the color signals, wherein the second luminance signal includes second weights different from the predetermined weights (4);

means for subtracting the second luminance signal from each of the color signals to produce second color difference signals (4);

means for amplifying the second color difference signals by a saturation parameter to produce amplified difference signals (6); and

means for adding the second luminance signal to each of the amplified difference signals to produce output color signals (8).

9. The device of claim 8, which further includes means for displaying (18) the output color signals.

10. The device of claim 8, which further includes means for storing (12) the output color signals.

11. The device of claim 8, wherein the second weights include:

a red signal weight in the range of about 0.1 to about 0.4;

a green signal weight in the range of about 0.1 to about 0.4; and

a blue signal weight in the range of about 0.2 to about 0.8.

12. The device of Claim 8, wherein the saturation parameter is a value equal or greater than one (1).

13. A memory medium including code for processing a luminance signal including predetermined weights and color difference signals, the code comprising:

a code for converting the luminance signal and the color difference signals into color signals (2);

a code for forming a second luminance signal from the color signals, wherein the second luminance signal includes second weights different from the predetermined weights (4);

a code for subtracting the second luminance signal from each of the color signals to produce second color difference signals (4);

a code for amplifying the second color difference signals by a saturation parameter to produce amplified difference signals (6); and

a code for adding the second luminance signal to each of the amplified difference signals to produce output color signals (8).

14. The memory medium of claim 13, wherein the second weights include:

a red signal weight in the range of about 0.1 to about 0.4;

a green signal weight in the range of about 0.1 to about 0.4; and

a blue signal weight in the range of about 0.2 to about 0.8.

15. The memory medium of claim 13, wherein the saturation parameter is a value equal or greater than one (1).

16. The memory medium of claim 13, which further includes a code for displaying the output color signals.

17. The memory medium of claim 13, which further includes a code for storing the output color signals.